

EPA ID: MTN000802850 Site Name: SMURFIT STONE MILL

Alias Site Names:

City: MISSOULA

Refer to Report Dated: 8/20/2012

County or Parish: MISSOULA

Report Developed By: START

Report Type: SITE INSPECTION 001

State ID:

1239679 - R8 SDMS

State: MT

☐ 1. Further Remedial Site Assessment Under CERCLA (Superfund) is not required because:

☒ 2. Further Assessment Needed Under CERCLA:

Discussion/Rationale:

The Smurfit Stone Mill has observed releases of multiple compounds to groundwater and sediments of the Clark Fork River.

Two dioxin congeners (2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD), two furan congeners (2,3,7,8-Tetrachlorodibenzofuran (TCDF) and 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) were present in source samples at concentrations that exceed USEPA Superfund Chemical Data Matrix (SCDM) Cancer Risk Screening Concentration (CRSC) benchmark values for soil. The two congeners that were the most widespread in source samples (and sediment samples collected from the Clark Fork River) are 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) and 2,3,4,7,8-PeCDF. None of the sources are fully contained. The stretch of the Clark Fork River is a habitat for bull trout, a federally listed species and is believed to be a fishery. There are also 1.9 miles of wetland frontage subject to Level II contamination. There was an observed release to manganese to the shallow aquifer. The deeper aquifer was not sampled on site, but was sampled via nearby domestic wells, which showed no impact. Potential migration to the deeper groundwater is a concern.

The preliminary HRS score indicates the site is eligible for the NPL. The site should continue to be investigated and a formal HRS scoring package is recommended.

Site Decision Made by: ROB PARKER

Signature: _____

Rob Parker

Date: _____

9/12/12